Installation Manual for the Kit MyStrike 230v – Models 5 & 8

Sliding Gate Automation

CE COMPLIANCE DECLARATION

Manufacturer: PROTECO S.r.l.
Address: Via Neive, 77 – 12050 Castagnito (CN) – ITALIA
declares that
The product type: STRIKE Electromechanical gear motor for sliding gate
Models: STRIKE 4, STRIKE 5, STRIKE 8

Is built to be integrated into a machine or to be assembled with other machinery to crate a machine under provisions of 2006/42/EC Machinery Directive, with reference in particular to the following requirements: 1.1.2, 1.1.3, 1.1.5, 1.2.1, 1.2.2, 1.2.3, 1.2.4.1, 1.2.6, 1.3.1, 1.3.4, 1.3.7, 1.3.8.2, 1.3.9, 1.4.1, 1.4.2.1, 1.4.2.2, 1.5.1, 1.5.4, 1.6.1, 1.6.2, 1.6.3, 1.6.4, 1.7.1, 1.7.3, 1.7.4, 1.7.4.1, 1.7.4.2, 1.7.4.3.

It complies with the essential requirements of EEC Directives:
2006/95/EC Low Voltage Directive
2004/108/EC Electromagnetic Compatibilità Directive

The product also complies, with the constraints of the applicable parts, with the following standards:
EN 12453, EN 12445, EN 12604, EN12605, EN 13241-1
EN 55014-1,EN 55014-2
EN 60335-1, EN 60335-2-103
EN 61000-3-2
EN 61000-3-3

The manufacturer also declares that the start-up of the machinery is not permitted unless the machine, in which the product is incorporated or of which is becoming a component, has been identified and declared as conformed to 2006/42/EC Machinery Directive.

Castagnito, 11th November 2011

Angela Gallo
Amministratore Delegato

⚠ IMPORTANT SAFETY INSTRUCTIONS ⚠

Gate equipment has hazards associated with its use and therefore by installing this product the installer and user accept full responsibility for following and noting the installation and safety instructions. Failure to follow installation and safety instructions can result in hazards developing due to improper assembly. You agree to properly install this product and that if you fail to do so Gate Motors shall in no event be liable for direct, indirect, incidental, special or consequential damages or loss of profits whether based in contract tort or any other legal theory during the course of the warranty or at any time thereafter. The installer and/or user agree to assume responsibility for all liability and use of this product releasing Gate Motors from any and all liability. If you are not in agreement with this disclaimer or do not feel capable of properly following all installation and safety instructions you may return this product, within ***7 working days*** from date of purchase for full replacement value.

READ ALL INSTRUCTIONS CAREFULLY AND COMPLETELY before attempting to install and use this automatic gate opener. This gate opener produces a high level of force. Stay clear of the unit while it is operating and exercise caution at all times.

All automatic gate openers are intended for use on vehicular gates only and for no other purpose and forms the basis for the 1 year guarantee.

Phone Sales Lines
UK: 01202 717191 Outside UK: (+44)1202 717191

Phone Technical Lines
UK: **0911 603 8046*** (service available 8:30am to 5:30pm Monday to Friday only, closed Weekends and Public Holidays)
ROI: **156 099 9667**** (service available 8:30am to 5:30pm Monday to Friday only, closed Weekends and Public Holidays)
Email: support@gatemotors.co.uk

*UK calls to this number are billed by the second and cost £1.02 per minute from a standard landline; other networks charges may also apply.
**IRISH calls to this number are billed by the second and cost €1.25 per minute from a standard landline; other networks charges may also apply.
Service is provided by Digital Select Ltd, 271 Regent Street, London, W1B 2ES whose helpline number is 0844 448 0165

Trading address: GateMotors UK, Unit 16c, Chalwyn Industrial Estate, St. Clements Road, Poole, Dorset. BH12 4PE.
***GateMotors** is the trading name of Screwjack Limited - registered office at 21 Oxford Road, Bournemouth, Dorset. BH8 8ET. Registered # is 4287804, VAT #:785 3450 06*

Quick Reference: Measurement Charts

Conversion Chart

Converting Metric Units to English Equivalents

When You Know	Multiply By	To Find	Symbol
centimeters	0.3937	inches	in. (or ")
meters	3.2808	feet	ft. (or ')
kilograms	2.2046	pounds	lb. (or #)

Converting English Units to Metric Equivalents

When You Know	Multiply By	To Find	Symbol
inches	2.5400	centimeters	cm
feet	0.3048	meters	m
pounds	0.4535	kilograms	kg

Converting Temperature

deg. Celsius	(ºC x 1.8) + 32	deg. Fahrenheit	ºF
deg. Fahrenheit	(ºF-32) ÷ 1.8	deg. Celsius	ºC

Feet	Metres
1	0.30
2	0.61
3	0.91
4	1.22
5	1.52
6	1.83
7	2.13
8	2.44
9	2.74
10	3.05
11	3.35
12	3.66
13	3.96
14	4.27
15	4.57
16	4.88
17	5.18
18	5.49
19	5.79
20	6.10

CM	MM
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100
11	110
12	120
13	130
14	140
15	150
16	160
17	170
18	180
19	190
20	200

PLEASE READ THIS FIRST!

Thank you for purchasing the Kit MyStrike sliding gate automation. The gate kit is designed to be a "*do-it-yourself*" automatic gate opener kit. When correctly installed and properly used, your MyGate Kit MyStrike will give you many years of reliable service. Please read the following information to enable you to properly install your gate automation system.

The Kit MyStrike sliding gate automation is designed for installation on a pull-to-open single leaf sliding gate. The motors can be used on vinyl, aluminium, farm tube, wrought iron gates and wooden hardwood gates. (Softwood gates may require re-enforcing).

The Kit MyStrike sliding gate automation accommodates extra transmitters, digital keypads, push buttons, automatic gate locks (additional MEL interface required), and other access control products listed on GateMotors website. The optional accessories are available through our website www.gatemotors.co.uk. GateMotors popular accessories are featured at the end of this installation guide with full details available from the GateMotors website and upon request.

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IMPORTANT SAFETY INSTRUCTIONS

Because automatic gate openers produce high levels of force, consumers need to know the potential hazards associated with improperly designed, installed, and maintained automated gate opener systems. Keep in mind that the gate opener is just one component of the total gate operating system. Each component must work in unison to provide convenience, security, and safety.
This manual contains various safety precautions and warnings for the consumer.

Because there are many possible applications of the gate opener, the safety precautions and warnings contained in this manual cannot be completely exhaustive in nature. They do, however, provide an overview of the safe design, installation, and use of this product.

Carefully read and follow all safety precautions, warnings and installation instructions to ensure the safe system design, installation and use of this product.

Precautions and warnings in this manual are identified with this warning symbol. The symbol identifies conditions that can result in damage to the opener or its components, serious injury, or death. Because ***GateMotors*** automatic gate openers are only part of the total gate operating system (as intercoms, push button switches and GSM switches etc. Can be added to complete an "*operating system*"), it is the responsibility of the end user to ensure that the total system is safe for its intended use.

For The End User

A. <u>WARNING: To reduce the risk of injury or death:</u>

A1. Read and follow all instructions. Failure to meet the requirements set forth in the instruction manual could cause severe injury and/or death, for which the manufacturer cannot be held responsible.

A2. When designing a system that will be entered from a main road or main thoroughfare, make sure the system is placed far enough from the road to prevent traffic congestion

A3. The gate must be installed in a location that provides adequate clearance between it an adjacent structure(s) when opening and closing to reduce risk of entrapment / crushing.

Sliding gates must use safety devices provided with the kit.

B. <u>Before installing the gate automation:</u>

B1. Make sure the gate has been properly installed and can slide freely. The gate automation is designed to move the gate so you do not have to. Repair or replace all worn or damaged gate hardware prior to installation. A freely moving gate will require less force to operate and will enhance the performance of the opener and safety devices used with the system.

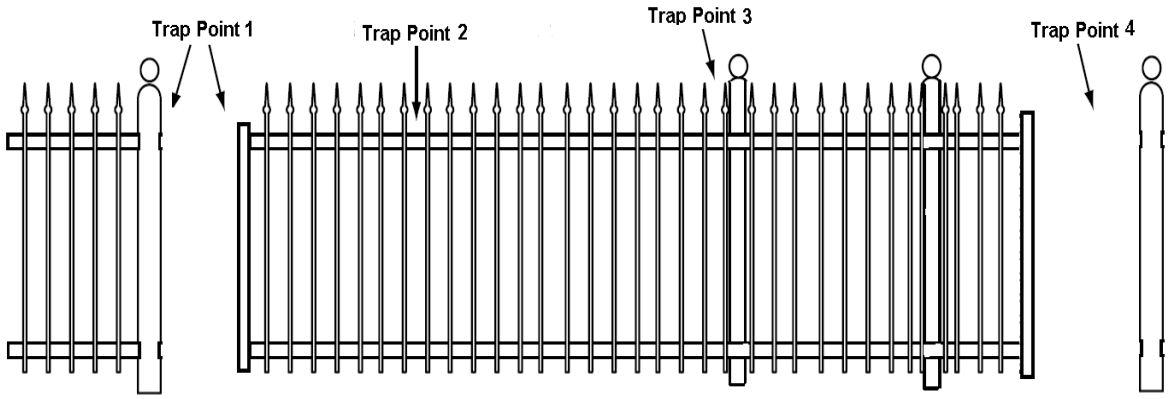
B2. Review the operation of the system to become familiar with its safety features. Understand how to disconnect the opener for manual operation in the event of power failure and accidents.

B3. The gate opener is intended for vehicular gates **ONLY**.

B4. Always keep people and objects away from the gate and its area of travel.

No one should cross the path of a moving gate.

B5. Pay close attention to the diagram below and be aware of these areas at all times. If you identify areas of immediate high risk, please consider adding extra non contact safety device (**Safety Photocells**) and/or contact safety devices (**Gate Safety Edges**) from the selection that is available from the GateMotors website.



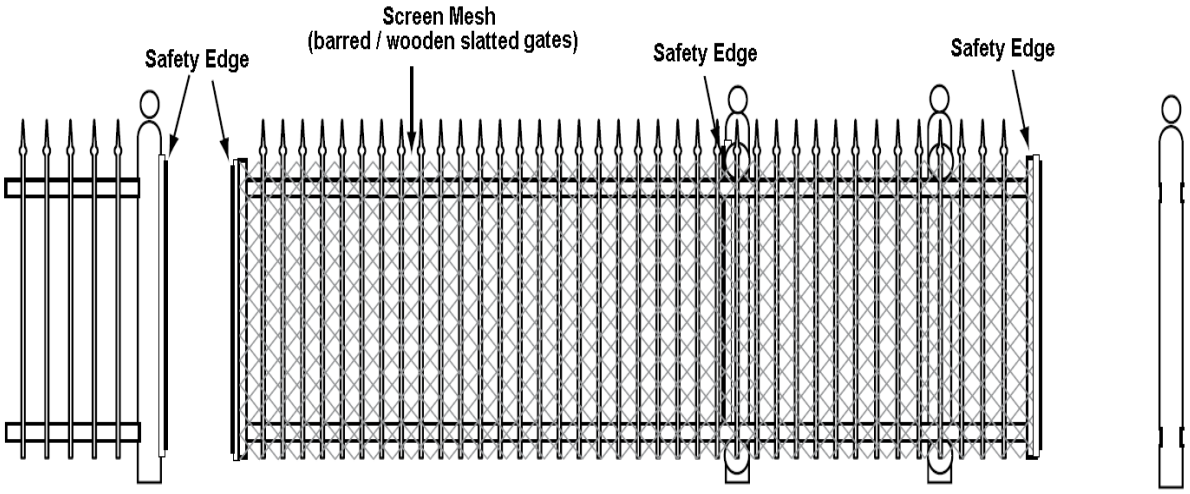
TRAP POINT 1 – The immediate opening area

TRAP POINT 2 – The gates physical design (barred or wood slats)

TRAP POINT 3 - The pillar / wall where the gate slides past

TRAP POINT 4 – The pillar / post the gate opens to (if applicable)

Safety Solution: Example



TRAP POINT 1 – The immediate opening area protected by safety edges

TRAP POINT 2 – The gates physical design (barred or wood slats) – covered with mesh to stop people putting their fingers / limbs through the bars or gaps in the gate

TRAP POINT 3 - The pillar / wall where the gate slides past protected by safety edge

TRAP POINT 4 – The pillar / post the gate opens to (if applicable) protected by safety edge

C. During Installation:

C1. Install the gate opener on the inside of the property and fence line. **Do not** install an opener on the outside of the gate where the public has access to it.

C2. Be careful with handling moving parts and avoid close proximity to areas where fingers or hands could be pinched.

C3. If key switch and/or push button switches are installed, they should be within sight of the gate, yet located at least 3 Metres (10ft) away from all moving parts of the gate. **Never** install any access control device where a user will be tempted to reach through the gate to activate the gate opener. Secure outdoor or easily accessed gate opener access controls in order to prohibit unauthorised use of your gates.

C4. **Do not** activate your gate opener unless you can see it and can determine that its area of travel is clear of people, pets or other obstructions. Watch the gate through its entire movement.

D. After Installation:

D1. The gate is automatic and could move at any time when activated, posing risk of entrapment. No one should be in contact with an activated gate when it is moving or stationary.

D2. **Do not** attempt to drive into the gate area while the gate is still moving; wait until the gate comes to a complete stop.

D3. **Do not** attempt to "beat the gate" while the gate is closing. This is extremely dangerous.

D4. **Do not** allow children or pets near your gate. **Never let children operate or play with gate controls**. Keep the remote controls away from children and unauthorised users; store controls where children and unauthorised users cannot obtain access to them.

D5. To operate this equipment safely, **YOU** must know how to disconnect the opener for manual gate operation. If you have read the instructions and still do not understand how to disconnect the opener, contact GateMotors Technical Department immediately for assistance.

D6. Keep the gate and gate opener regularly maintained. Always turn power to the control board OFF before performing any maintenance. Regularly grease the gates wheels and other supportive rollers / guide rails. This ensures clean, smooth operation of your gate automation system.

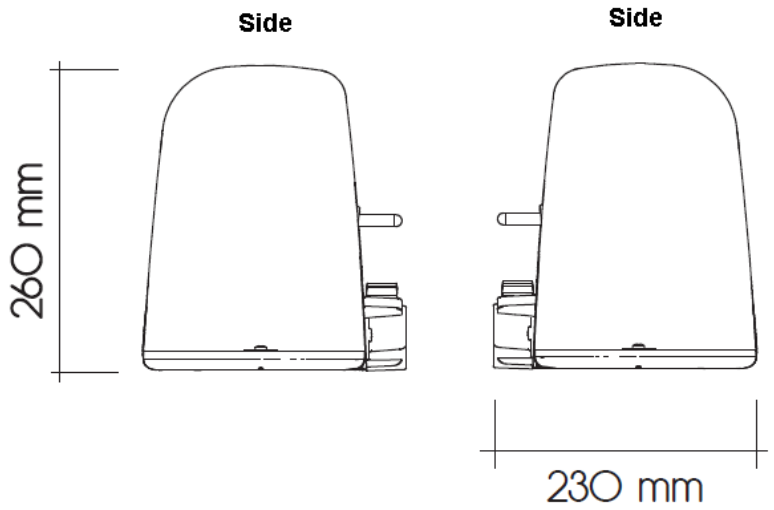
IMPORTANT: Save these safety instructions. Make sure everyone who is using or will be around the gate and gate openers are aware of the dangers associated with gate automation. In the event you sell the property with the gate opener or sell the gate opener, provide a copy of this instruction guide to the new owner.

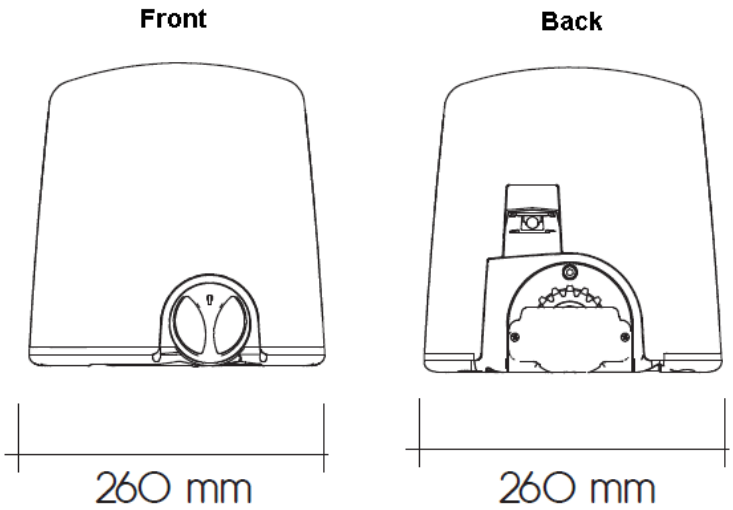
Should you lose or misplace this manual, a copy can be obtained by downloading one from the GateMotors website (www.gatemotors.co.uk) or by contacting GateMotors by calling on 01202 717191 for the UK customers or (+44)1202717191 for international customers.

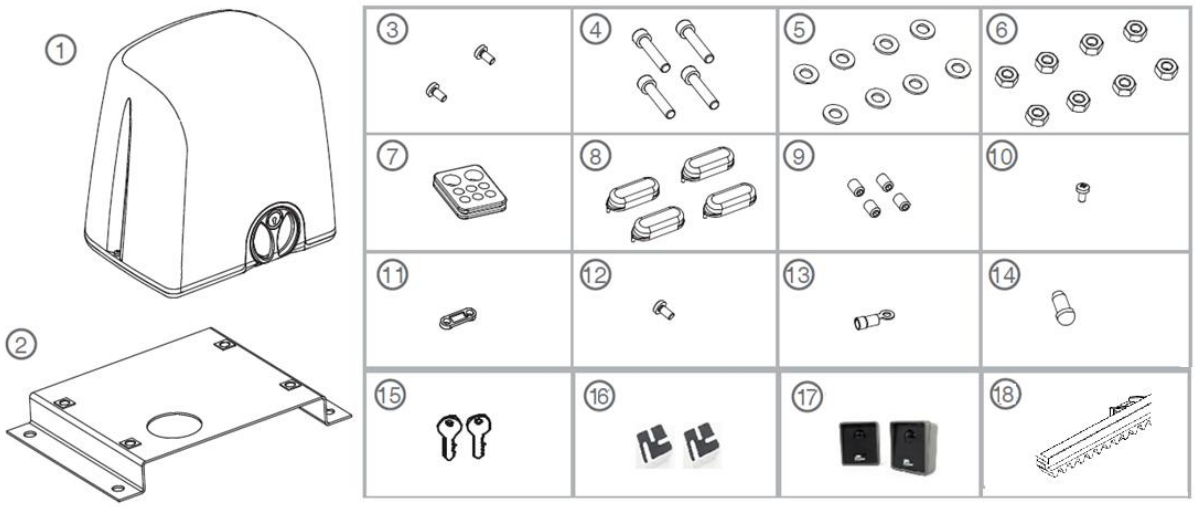
Kit MyStrike – Model 5 & 8 Technical Specification

	STRIKE 5	STRIKE 8
Power supply	230V ~ 50Hz	230V ~ 50Hz
Current	1,2 - 1,7A	1,2 - 2A
Motor power	250W	300W
Capacitor	8µF	10µF
Thermic Protection	150°C	150°C
Maximum thrust	350 N	440 N
Class IPProtection	54	54
Revolutions (speed)	1400 rpm	1400 rpm
Opening speed	10,5 m/min	10,5 m/min
Gate maximum weight	500 Kg	800 Kg
Duty Cycle	40%	40%

Kit MyStrike Model 5 & 8 Dimensions







1	Strike	Gear Motor
2	MPIS04	Anchor Plate
3	MVI0510B2	Screw 5x10 for motor cover
4	MVI1060AZ	Screw 10x60 for anchor plate
5	MRO10Z	Washer for anchor plate
6	MDAM10Z	Nut for motor anchor plate
7	MPC06	Cable grommet SH70
8	MTP22	Slot Cover
9	MGR0610Z	Limit bracket fixing screw 6x10
10	MVI3595D	Screw 3.5x9.5 for cable block
11	MBC02	Black cable block
12	MVI0510B2	Screw 5x10 for Lug
13	MFAG01	Yellow lug for earth connection
14	MMA02	Limit Switch Ttip
15	MCH03	Release Key
16	MYKEY	Key Fobs
17	PHOTOCELLS	Safety Photocells
18	B117	PVC Rack M4 20X26MM With Inner Steel Frame (supplied as 8 x 0.5M Section)

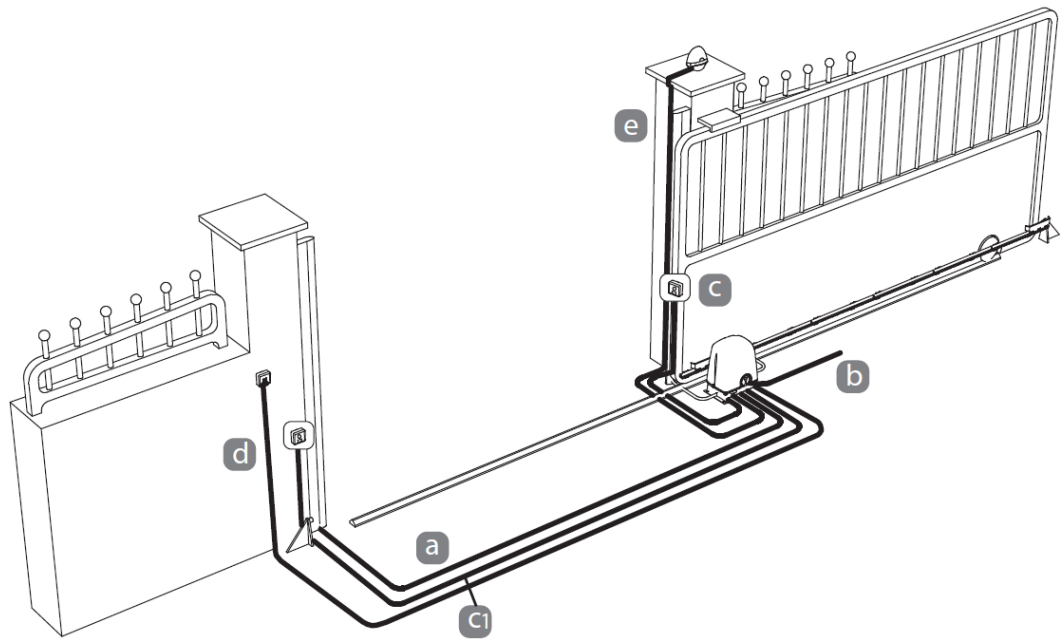
NB: Please quote above part numbers when enquiring about replacement components from GateMotors.

Tools Needed:

- Tape Measure
- Power Drill
- Adjustable wrench
- Hacksaw or Heavy Duty Bolt Cutters
- Small (flat head) screwdriver
- Small (Pozi Drive) Phillips screwdriver
- Wire Strippers
- Spirit Level

Installation Overview

The diagram shown below is an example of a typical installation on a double leaf gate:



ELECTRICAL CABLES SPECIFICATIONS

The cables required the electrical set-up (not included in the pack) may vary according to quantity and type of devices installed.

			230V
Optional Accessory	**A**	Security	2x0,75
Optional Accessory	**B**	Power Supply	2x1,50 + terra
Included in Kit	**C**	Photocells	rx 4x0,75
Included in Kit	**C¹**	Photocells	tx 2x0,75
Optional Accessory	**D**	Key switch	2x0,75
Optional Accessory	**E**	Warning light	2x0,75

Low voltage wire
This will need to be run from the control board to the photocells (transmitter and receiver).

3 Core 230v Armoured Cable
This will be used to transport 230v power from the house to the gate control board.
The size of the cable will vary depending on the length. See table for more details:

3 Core armoured cable, swa	< 15m	> 15m	> 100m	> 200m
1.5mm²	•			
2.5mm²		•		
4mm²			•	
6mm²				•

0.75mm SWA Alarm Cable / CAT 5 Cable (low voltage cable)
This will be used to transport power and switching signals from the photocell units to the control board.

PVC Conduit
To encase power cables / low voltage cables that are running between the house and the control board and any cables that are to be laid across your driveway.

Surge Protection
A form of circuit breaker should be fitted between the house and the main gate to protect both the gate control board and the house main fuse box from any power surges that may be experienced.

Gate Preparation
The gate must be level and can slide freely on its wheels / tracking. The Kit MyStrike is designed to move the weight of the gate only. If tracking is dirty, wheels stiff, clean and lubricate as necessary. The gate must be able to move throughout its whole travel without juddering.

Preliminary Checks before Installation

Before the installation, to ensure correct and continued operation of the automation, please check the following criteria's listed below:

- Make sure the gate's structure is suitable to be automated, re-enforce if needed.
- Check the weight, dimensions and type of the gate is appropriate to this type of automation.
- Ensure the gate is able to open and close smoothly and is free of obstacles that may cause the gate to potentially derail.
- Check the ground and all surfaces for the installation are suitable for stable and safe fixing of the gate automations anchor plate.
- Make sure the installation area for the automation is wide enough to accommodate the anchor plate and that the motor can be accessed easily in the event of power cuts.
- Ensure the location where the automation is installed is not exposed to flood hazards; if in doubt raise the automation from above ground level.
- In cases where the automation has to be installed in a vehicles path or manoeuvre area, it is recommended to protect it against accidental damage.

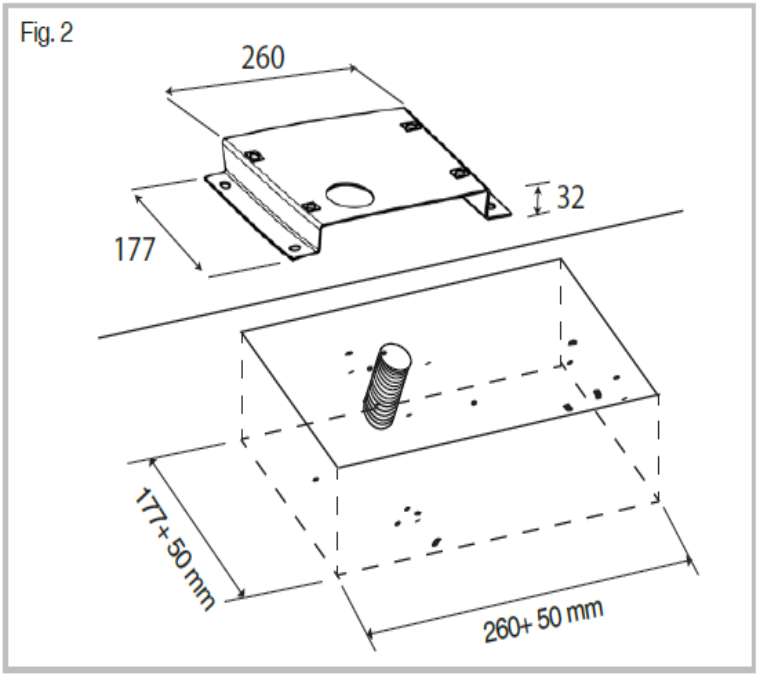
Preliminary Installation Work and Masonry for the Anchor Plate

Identify approximately the place of each component and proceed as follows:

a) Dig the foundation pit for the gear motor whilst considering the anchor plate dimensions. Give an extra 5cm area extra on each side. Pay attention to measurements shown in Fig.2. (illustrated right)

b) Provide one or more ducts for the electrical cables so that they can easily go through the purpose fabricated hole in the gear motors anchor plate. Pay attention to the plate's orientation: hole for cables routing on the side opposite the gate

Fig. 2

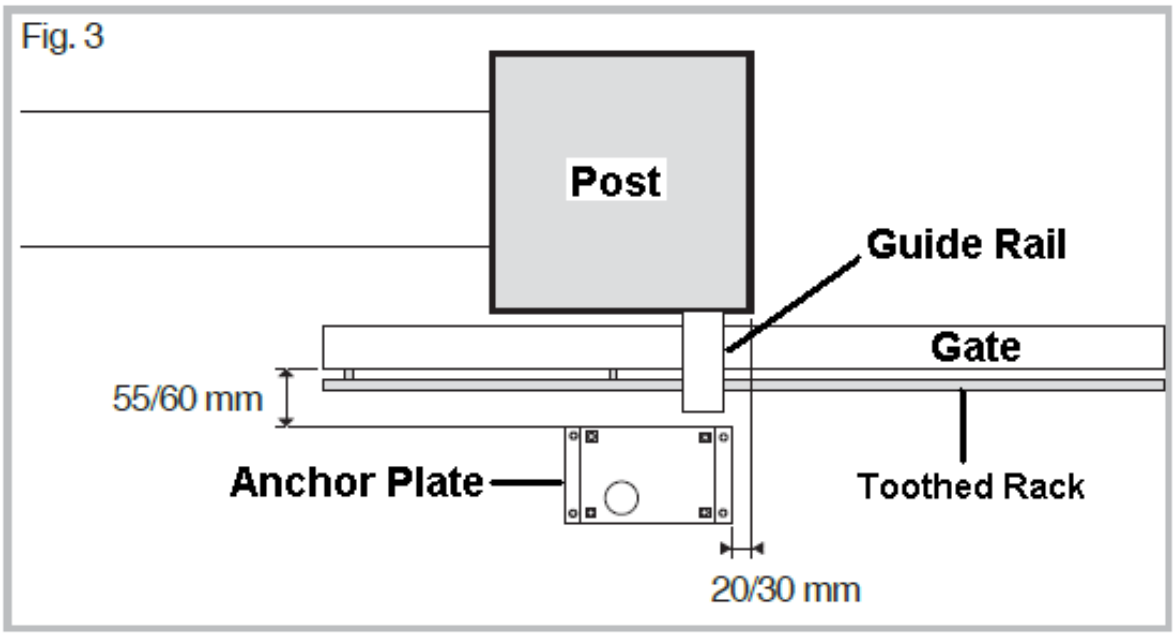


c) Set concrete into the pit. Ensure this is level and smooth out the surface. Wait for the concrete to get solidify (this may take a few days).

d) Insert the cables ducting to the hole in the anchor plate and fix the plate to the concrete using suitable plugs.

e) Cut the cable ducts about 3cm above the anchor plate level and route the cables for accessories and electrical mains wiring as shown in Fig. 3 diagram (illustrated below). Ensure the cables are at least 30-50cm out from the ducting to allow easy wiring to the control panel.

Fig. 3

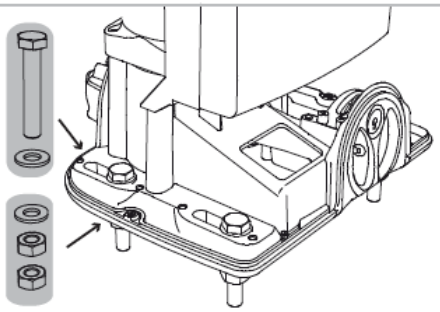


Fixing the Sliding Gate Motor to the Anchor Plate

a) Lift up the motor cover.

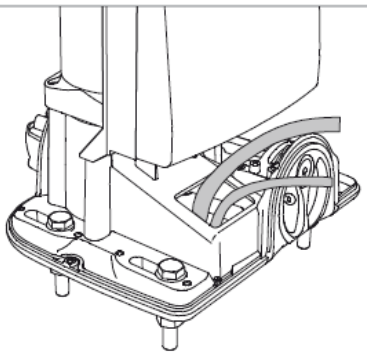
b) Insert the four hexagon-headed screws with the washers and nuts in the loops of the motor base (Fig. 4 – Illustrated Left)

Fig. 4



c) Route the electrical cables in the purpose fabricated hole of the motor base (Fig. 5) and gently lower the motor base onto the anchor plate.

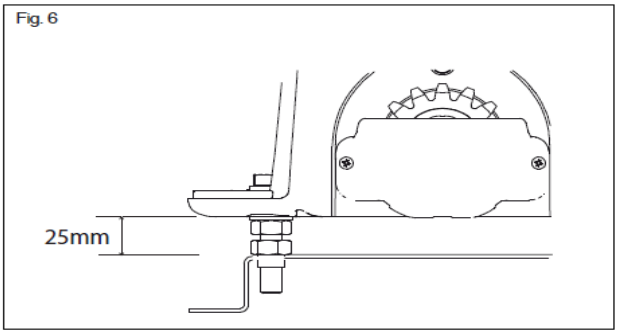
Fig. 5



d) Move the screws in the loop's centre and screw them up till the lower nut rests on the anchor plate.

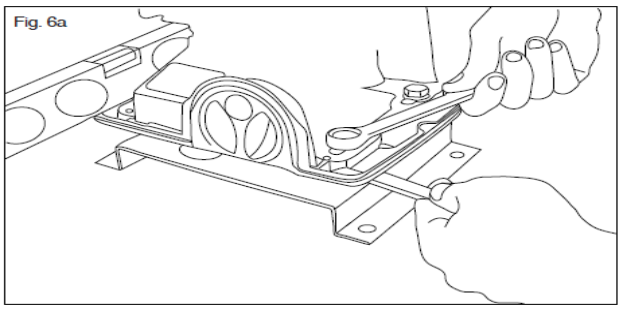
e) Use a spirit-level to make sure that the gear motor is perfectly level (Fig. 6), if it is not adjust the four screws accordingly.

Fig. 6



f) Tighten all nuts.

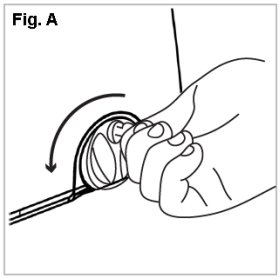
Fig. 6a



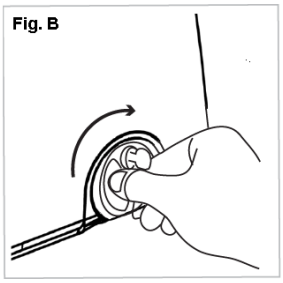
Unlocking the Motor – for installation and manual operation

Every model of MyGate has a quick release function to disengage the motor from its internal gearing so you can open and close the gate manually in the event of power-cuts and for initial installation.

To unlock the motor:



1) Insert the release key into the lock and turn it anti-clockwise (Fig A Illustrated right)



2) Turn the handle clockwise completely 180 degrees (Fig B illustrated right)

3) Open and close gate as required

To lock the motor:

1) Turn the handle anti-clockwise completely

2) Turn the key clockwise and remove

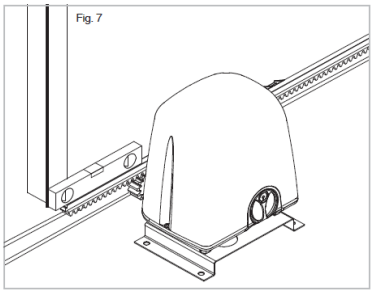
3) Manually move the gate until it re-engages with the motor gearing – you will feel a sudden resistance as the gears interlock.

Installing the Toothed Rack B117

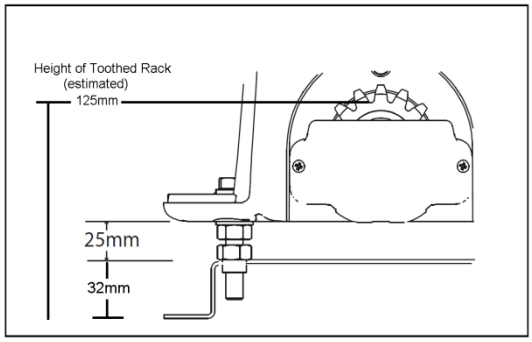
PVC RACK M4 20X26MM WITH INNER STEEL FRAME (0.5M SECTIONS)

a) Release the gear motor for manual operation as mentioned above.

b) Move the gate manually to its open position.

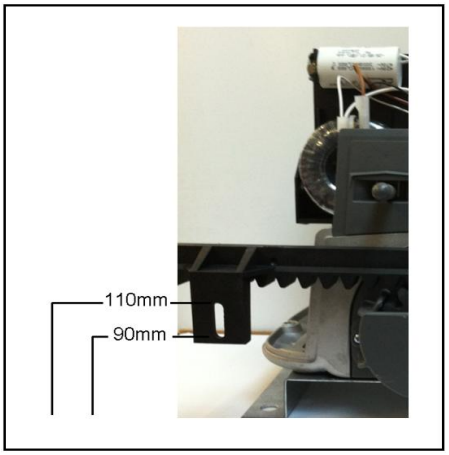


c) Align the first section of the rack to the gate edge and lower it on the pinion. Use a spirit-level to make sure it is perfectly straight. (Fig.7 illustrated right). The minimum height of the toothed rack from base level is 125mm. This is an estimated measurement as this does not take into account the various ground material and level of ground material the anchor plate is being used on. (Illustrated right)

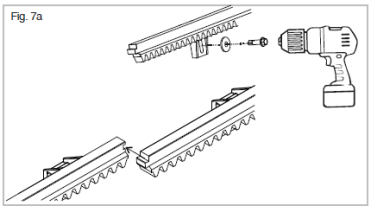


In all cases present the toothed rack to the gate and mark the potential mount points.

The toothed rack mounting spacer has 20mm height hole for which to place the self tappers provided to affix rack to the gate. The estimated minimum height from ground base level to the fixing hole on the rack is 90mm.



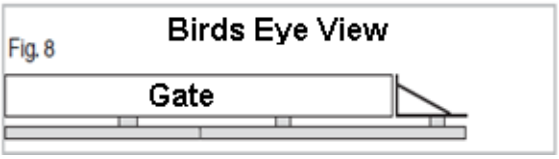
d) Fix this first section of rack to the gate with the provided self-tapping screws. Fix the screws in the in the middle of the slot as illustrated (Fig. 7a illustrated right).Close the gate manually for about ½ meter, join the second section of rack to first one and place it on the motor drive pinion cog.



e) Keep the rack perfectly flat and fix it to the gate.

f) Repeat the same procedure until the gate is fully covered.

g) In case the last section of rack partially comes out from the rack edge, do not cut it. Add a bracket as a gate extension to support the last bit of rack (Fig. 8 illustrated right)



h) To avoid the gates weight being supported by the motors drive pinion cog, adjust the four screws to lower a little the gear motor and then tighten again all the nuts.

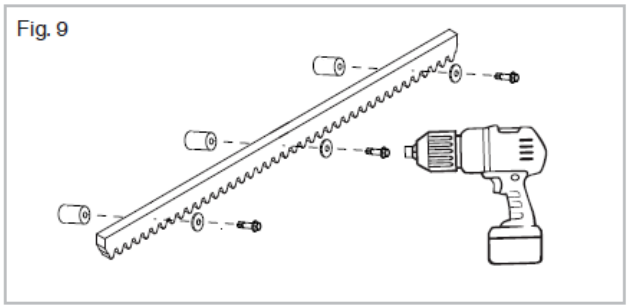
Installing the Metal Toothed Rack B102

(Optional Accessory – not included with kit)
WELDING METAL TOOTHED RACK B102 – STEEL RACK M4 12X30MM (1M SECTIONS)

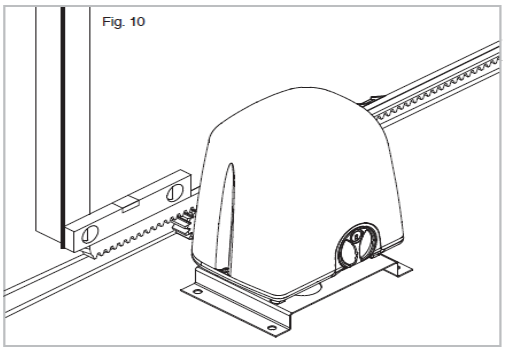
a) Release the gear motor for manual operation. Move the gate manually to its open position.

b) Assemble the three threaded stand-offs on the first section of rack, positioning in the middle of the slot.

(Fig. 9 illustrated right)



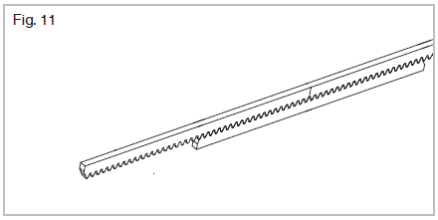
c) Align the first section of the rack to the gates edge and lower it on the pinion. Use a spirit-level to ensure the rack is perfectly straight and level. (Fig.10 illustrated right)

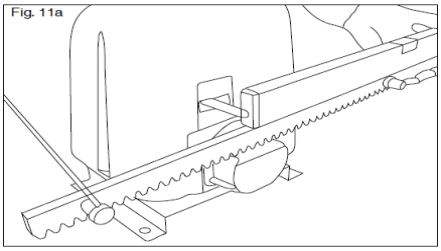


d) Weld the threaded stand-off to the gate.

e) Move the gate manually, checking that the rack is always resting on the motors drive pinion cog, and weld second and third stand-offs.

f) Place the second section of rack side by side with the first one, using an upside-down section of rack to synchronise the rack teeth as illustrated (right) in Fig. 11. Use a spirit-level to ensure the rack is perfectly straight and level.
(fig. 11a illustrated right)

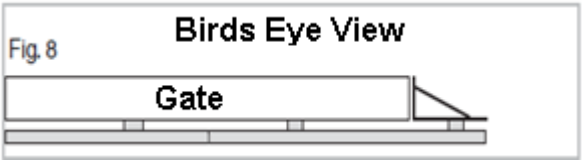




g) Move the gate manually and weld the three threaded stand-offs.

h) Repeat the same procedure until the gate is fully covered.

i) In case the last section of rack partially comes out from the rack edge, do not cut it. Add a bracket as a gate extension to support the last bit of rack (Fig.8 illustrated right)



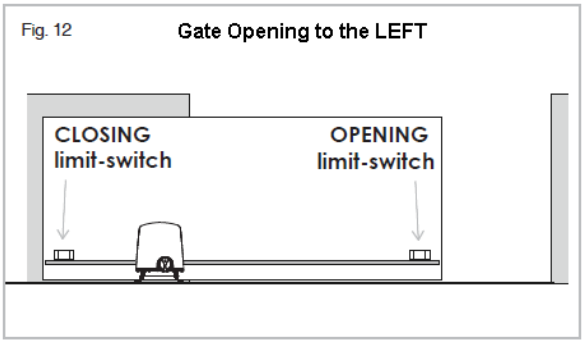
j) To avoid the gates weight being supported by the motors drive pinion cog, adjust the four screws to lower a little the gear motor and then tighten again all the nuts.

k) Check the gate always reaches the mechanical stops keeping the alignment between the rack and the motor drive pinion cog. Ensure that there are no friction points in the gates complete travel.

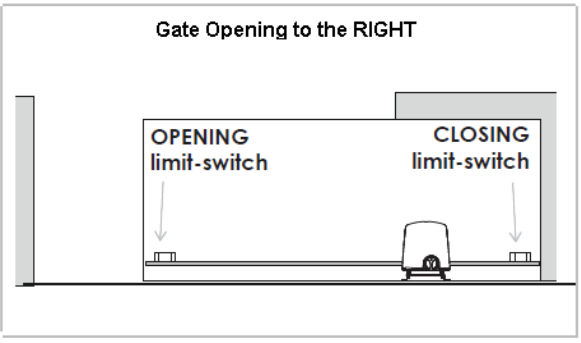
Installing the limit switch plates to the toothed rack B117

a) Identify closing and opening bracket positioning according to the motor position against the gate. The limit plates are set differently for where gates are opening to the left or right. (Fig. 12 illustrated below)

Fig. 12 Gate Opening to the LEFT



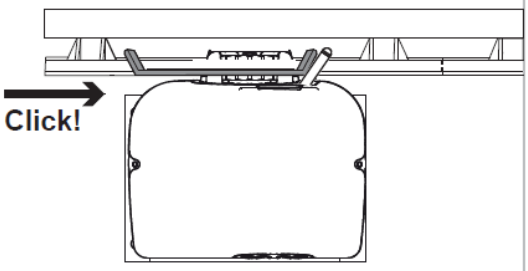
Gate Opening to the RIGHT



b) Manually close the gate up to 3cm before the closing limit stop plate.

c) Place the closing limit switch plate on the rack and slide it until the limit-switch is activated (Fig. 13 illustrated right).

Fig. 13 Gate Opening to the RIGHT - Opening Limit Switch Plate

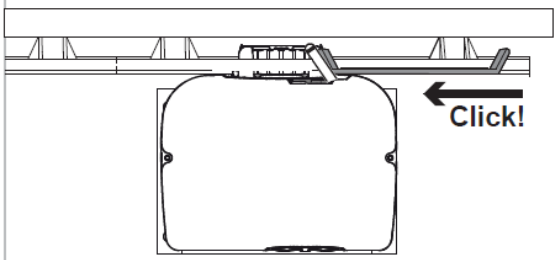


d) Mark the bracket position onto the rack, slightly open the gate and fix the limit switch plate to the rack.

e) Manually open the gate (gate end aligned to the pillar edge).

f) Place the opening bracket on the rack and slide it until the limit-switch is activated (Fig. 14).

Fig. 14 Gate Opening to the LEFT - Closing Limit Switch Plate



g) Mark the bracket position onto the rack, slightly close the gate and fix the bracket to the rack.

NB. Cut any excess rack.

Once the limit switch plates have been fitted to the rack, open and close the gate manually to check that the plates always activate the limit-switch system before the gate reach its mechanical stops.

This checking is important to preserve the correct working of the automation and continued good mechanical condition of the gate.

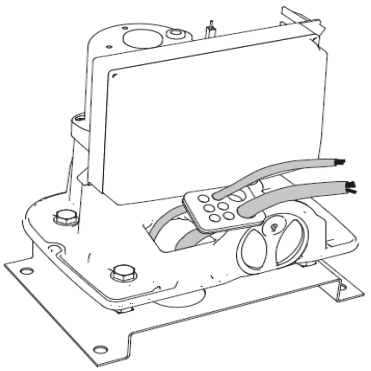
Electrical Wiring

Once the motor is in place and the limit switch plates have been fitted, we can look at connecting the safety device and the motor wiring. The motor is pre-wired to the control board - please refer to the Q71S install guide for correct wiring for whether the gate is opening to the left or to the right.

To begin with:

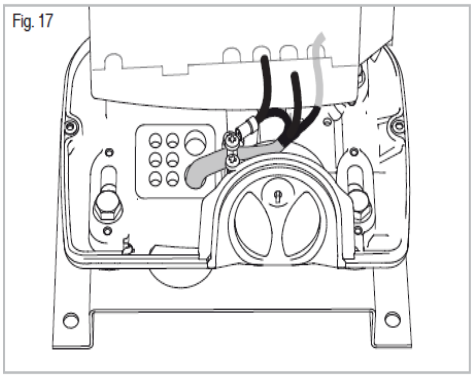
1) Insert the electrical cables into the control panel's case by piercing the rubber membrane and place the cable grommet in its purpose fabricated seat on the motor's base (Fig. 16 illustrated right).

Fig. 16



2) Terminate the cable of the main supply with the provided cable block (Fig. 17 illustrated right).

Fig. 17



3) Unscrew and remove the control board clear protective cover. Follow the control panel's instruction manual to proceed with the correct cable wiring. Wire all cables for the earth system to the provided lug and fix onto the motor base point marked with ⏚ symbol.

Initial Start-Up

Now your installation is complete with the fixing of the motors to the gate, please proceed to installing the safety devices and other equipment supplied or purchased with your kit to the control board. Please carefully follow the Q71S Control Board instruction guide that accompanies the kit to ensure smooth operation of your gate automation.

After all wiring is complete, power the system and continue with the programming as set out in the Q71S guide. In particular make sure that the electric limit-switch is always activated in opening and closing before the gate reaches its mechanical stops. Place the two slot-covers on the M10 screws. Lift the motor cover down and close it with the two side screws. Hand over this instructions manual to the end user and demonstrate the correct use of the automation and how to release the motor for manual operation of the gate in the event of power cuts.

Warranty

The 12 months Limited Warranty on all goods supplied by GateMotors is on a return for repair basis. Any longer warranty issued by a manufacturer will require these to be returned to the manufacturer's head office or service address, in or outside the United Kingdom. GateMotors shall not be liable in any way for failure of any product supplied.

In particular GateMotors shall not be liable for labour costs involved in replacing faulty items or fault finding. GateMotors warrants to you that the supplied goods will be free from defects in workmanship and materials under normal use for a period of one (1) year from the date that the goods were first purchased by you. If a defect arises and a valid claim under this Limited Warranty is received by GateMotors after the first one hundred and eighty (180) days of the warranty period, GateMotors is entitled to charge you for any reasonable shipping and handling costs made in connection with the repair or replacement of the goods. You must comply with any other return procedures stipulated by GateMotors, if any. What this warranty does not cover - The Limited Warranty does not apply when the goods have been opened or repaired by someone not authorised by GateMotors and does not cover repair or replacement of any goods or part thereof damaged by: misuse, moisture, liquids, proximity or exposure to heat and accident, abuse, non-compliance with the installation and/or usage instructions supplied with the goods, neglect or misapplication. Any disfigurement / removal / tampering of any labels attached to the product, will invalidate the warranty. The Limited Warranty does not cover physical damage to the surface of the product or calibration of the product. This Limited Warranty cannot be transferred to any other person. This Limited Warranty does not affect any legal rights under applicable national legislation governing the sale of consumer goods.

Obtaining Repairs & Replacements

(In warranty & out of warranty) Goods should not be returned for repair or warranty claim without first obtaining a Returns Authorisation Number (RAN) failure to obtain a RAN will result in the returned goods being turned away from our Goods-In and returned to the invoice address as undeliverable. In addition, goods returned for repair or warranty claim must be accompanied by a note indicating the nature of the suspected defect, showing clearly the returnee's full name and address and giving proof of purchase from GateMotors. All goods returned to us for repair or warranty claim will be inspected and repaired / replaced as necessary. In warranty repairs will not carry any parts or labour charges, provided the products were found to be faulty due to component failure. Out of warranty repairs will be subject to charges which cover the labour, replacement components and carriage. We will excise a Lien as described above, where payment for goods or services has not been made. Where we deem a repair to be uneconomical, we will contact you for a decision on our course of action.

Kit MyStrike 230v – FAQ's

Will my gates still open in the winter when it is very cold and icy?

Climate conditions do affect how the internal mechanics operate. During periods where the outside temperature can drop as low as -20 in some parts of the UK, the motors can physically have trouble starting, just like a motor vehicle. Although the internal gears are protected by machine grease, of course anti-freeze cannot be used. If the motors do struggle to push and pull the gates and you are finding them closing short or opening short, a simple adjustment to the torque force is required to give the motors an extra helping hand. This adjustment will increase the power output to the motor to help it mobilise. During the summer season or where the temperature increases, this torque force adjustment may need to be reversed as the mechanics will be able to move a lot more freely and you may find your gates closing quicker or over closing / opening.

How can I be sure that the gates are securely closed to keep unwelcome visitors out and my children and dogs in?

Each control board has the option of operating the motors in one of two ways:

- **Full Automatic mode** where a press of the transmitter button will open the gate and hold it open for a predetermined time (adjustable to between five & 90 seconds) and then close it automatically. This way no one needs to remember to shut the gate.
- **Semi Automatic mode** where one press of the button will open the gate as before, but it won't close automatically until the button is pressed again.

What if I am delayed and the gates start to close before I am through the entrance?

Included in each MyGate kit is a pair of safety photocells that are normally mounted on each gatepost and project a beam across the entrance. If your car or any object (e.g. child or pet) breaks this beam the gate will either not move, or if it has already started to close, stop moving then reverse open again. If you have large / deep gates then an additional pair of photocells should be purchased and mounted on posts just beyond the leading edges of the open gate (see accessories); these will protect the full radial sweep of the gate.

Do my motors require maintenance?

Unlike hydraulic motors, MyGate electromechanical motors need virtually no maintenance. The internal gears and mechanisms to control the ram arm motion are protected by Machine Grease. All that is required is to keep the motors and the control boards associated safety devices (photocells / anti-crush barriers) free from grime and obvious obstructions including fallen branches et cetera.

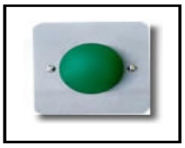
Keep the toothed rack clear and free from any stones, loose chippings or any potential hazard that may get caught in the gates travel.

It is recommended to have the gate automation serviced by professional gate installers / gate maintenance specialists to ensure your automation is working safely and efficiently. Installers / Maintenance teams can be found in local directories and internet search engines.

Kit MyStrike – Accessories

Accessories are Available from GateMotors Website or by Telephone Ordering

Key Fobs & Remotes
All MyKey remote transmitters are compatible with all MyGate gate kits Up to 50 remote controls can be added to each control panel, by following the instructions included with your kit. 3 button key fob remote controller to operate up to 3 sets of gates.

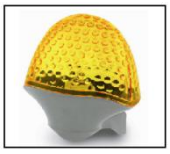


Push Button Switch
This fantastic marine quality exit button is suited to internal or external use and is constructed from a marine grade Stainless Steel with a front IP rating of IP67. The unit has a 2 amp contact rating @ 12/24v DC with a mechanical lifespan of 1 million operations. Easy to install it is a favourite with customers wanting to offer an easy exit solution from their property.

Horizontal Electro-lock
The electro-lock with expansion card enables the lock to function and communicate with the gate control board. Used with a MEL card (optional accessory) on the gate control board and connected using 2-wire configuration. The expansion card transmits 12v charge to the lock which releases its locking pin. In addition, the electro-lock can be used as a stand-alone lock, simply using the two 'Yale' type keys supplied.

Digital Keypads
Available in Solid Metal, Narrow Style Metal Pressure Sensitive or Plastic Membrane Covered. Easy installation and programming together with environmental and anti-vandal resistance with numerous available codes for access control offering different access codes for different people. Surface-mounted keypads are available for internal or external use.

Extended Aerial
Substitutes the standard gate control boards internal built-in aerial to extend the range of your transmitters from 30M to 80m (max) in free field conditions. The 2m cable length makes this product easy to install on a variety of applications from fence posts to pillars.



Blinker Warning Light
A flashing blinker / warning light can alert people to the operation of the gates. The blinker light is compatible with of the Electric gate kits that we sell. Oval blinker with 2 lamps 10W. Height approx 18 cms.

Vehicle Loop Detector
1 or 2 channel loop detectors allow gate release for vehicles entering or exiting the property. Easy to fit to any existing MyGate gate system. Very discreet; loop fits underneath your driveway and allows gate release to vehicles exiting or entering the property - no need to push a button. (Loop cable needed – sold separately)

7 Day Timer
The GateMotors 7 day timer can be configured to provides 7 day, 24 hour or 5 day/2 day operation and either 2 ON/OFF's or 3 ON/OFF's per day, allowing the time switch to be tailored to the consumer's specific requirements. The GateMotors 7 day timer is the simple and secure solution to all postman/ newspaper delivery/ tradesman / employees entry requirements.

GSM Mobile Gate Opener
Fed up with losing key fobs? Have you had someone waiting to enter your property when you're running late to meet them? If you answer yes to any of the above, the GSM Mobile Gate Opener is the instant solution! The unit is a wireless control on/off switch that connects to the GSM cell phone network. It is activated by calling its cell phone number (there are no call costs incurred when dialling to the unit), it will then reject the call without answering and opens the gate.

Security Camera Light
An innovative self contained video and photo system will automatically record images when movement is detected within 9M range - 3 megapixel resolution for pictures and video with sound up to 60 seconds long all stored on a supplied SD memory card. With its powerful Halogen floodlight, this unit works day and night, giving you peace of mind and protection for your property.

These accessories are popular products from GateMotors. Please visit www.gatemotors.co.uk for FULL product listing along with technical specifications and installation guides. If you have a question about any of the accessories featured in this guide, please call 01202 717191.

Comments & Feedback

We thank you for taking the time in reading and following the new version of our instructions. This instruction guide has been compiled from comments and feedbacks received from previous / existing customers who are familiar with our automation and had followed the old version (also included alongside with this guide). The aim of this guide is to appeal to all "walks" of life - from end users to Tradesmen. We understand that not everyone can follow complex wiring diagrams and often instructions can be over complicated. We, at Gate Motors, feel that a "one size fits all" guide, with simple straight forward jargon-free would benefit the customer & installers alike and promote safe operation of the automation.

Your feedback is valuable to us to help us with continued development and fine tuning of our instructions to suit customers' needs.

If there is a subject or topic relating to the control board and its functions that you feel we could include, re-write or present in a different way, please let us know by email on sales@gatemotors.co.uk.

Author: - G.Opie
Published: - December 2012

For more information on GateMotors full line of automatic gate openers and access controls visit our website at www.gatemotors.co.uk

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Phone Technical Lines
UK: **0911 603 8046*** (service available 8:30am to 5:30pm Monday to Friday only, closed Weekends and Public Holidays)
ROI: **156 099 9667**** (service available 8:30am to 5:30pm Monday to Friday only, closed Weekends and Public Holidays)
Email: support@gatemotors.co.uk

*UK calls to this number are billed by the second and cost £1.02 per minute from a standard landline; other networks charges may also apply.
**IRISH calls to this number are billed by the second and cost €1.25 per minute from a standard landline; other networks charges may also apply.
Service is provided by Digital Select Ltd, 271 Regent Street, London, W1B 2ES whose helpline number is 0844 448 0165

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